

# ***2001 Executive Forum on Modeling & Simulation***

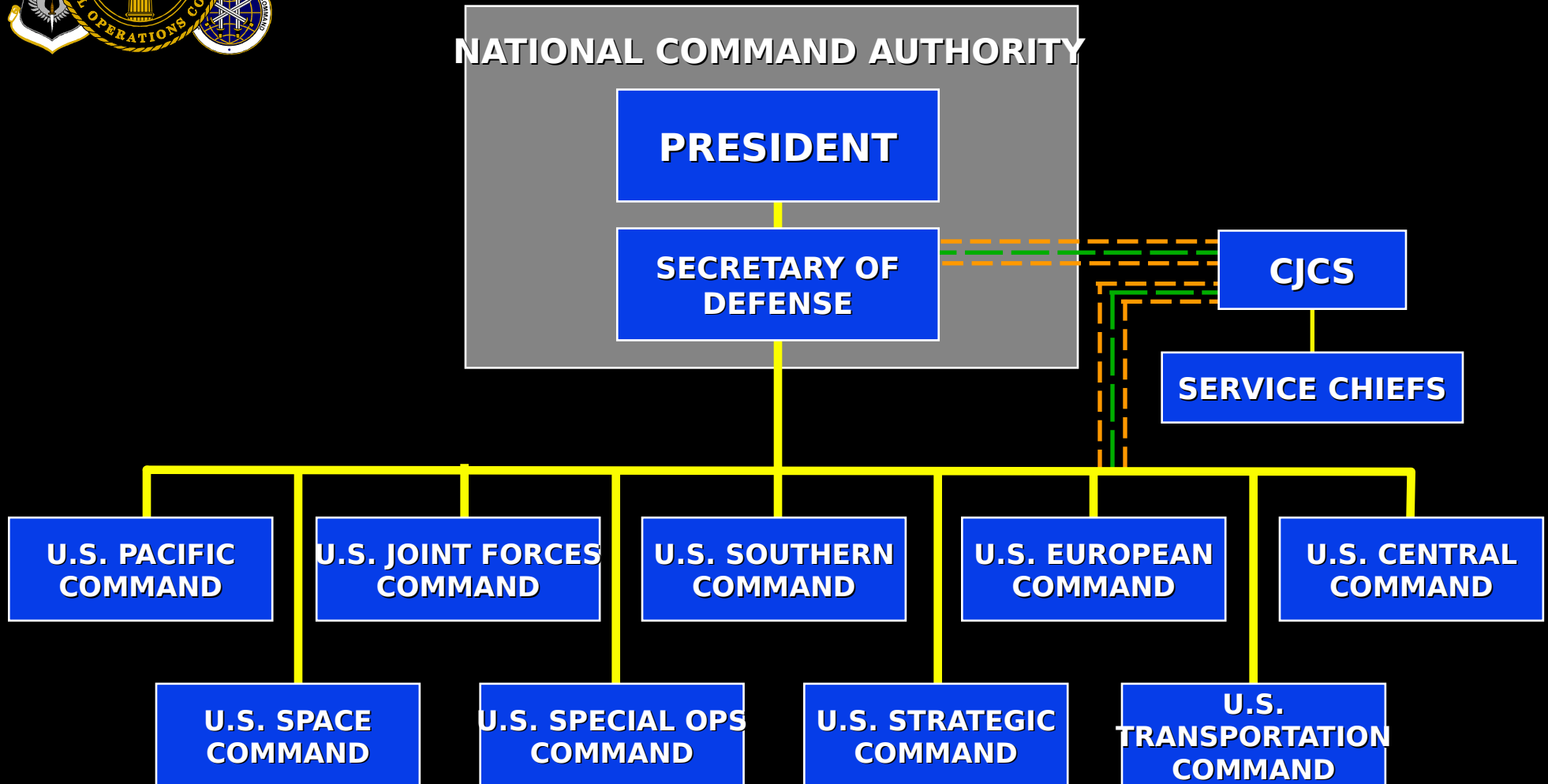


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# UNIFIED COMMAND SYSTEM





# ***USSOCOM MISSION***

PROVIDE SPECIAL OPERATIONS FORCES  
TO THE NATIONAL COMMAND AUTHORITIES,  
REGIONAL COMBATANT COMMANDERS,  
AND AMERICAN AMBASSADORS  
AND THEIR COUNTRY TEAMS  
FOR SUCCESSFUL CONDUCT OF WORLDWIDE  
SPECIAL OPERATIONS, CIVIL AFFAIRS,  
AND PSYCHOLOGICAL OPERATIONS  
DURING BOTH PEACE AND WAR.

# ***PRINCIPAL SPECIAL OPERATIONS MISSIONS ACROSS THE RANGE OF MILITARY OPERATIONS***

**PEACE**

**WAR**

**COUNTERPROLIFERATION OF WEAPONS OF MASS**

**DESTRUCTION**

**COMBATTING TERRORISM**

**FOREIGN INTERNAL DEFENSE**

**SPECIAL RECONNAISSANCE**

**DIRECT ACTION**

**PSYCHOLOGICAL OPERATIONS**

**CIVIL AFFAIRS**

**UNCONVENTIONAL WARFARE**

# ***COLLATERAL SPECIAL OPERATIONS ACTIVITIES ACROSS THE RANGE OF MILITARY OPERATIONS***

**PEACE**

**WAR**

**HUMANITARIAN ASSISTANCE**

**SECURITY ASSISTANCE**

**PERSONNEL RECOVERY (SEARCH & RESCUE/CBT SEARCH & RESCUE)**

**COUNTERDRUG**

**SPECIAL ACTIVITIES**

**COALITION SUPPORT**

**PEACE OPERATIONS**



# ***TITLE 10 RESPONSIBILITIES***

- **Ensure combat readiness of SOF**
- **Monitor preparedness to carry out assigned SO missions**
- **Develop and acquire SO peculiar equipment**
- **Acquire SO peculiar material, supplies and services**



# ***M&S GOALS***

- **Bridge the current state of M&S from single-purpose, legacy simulations and simulators**
  - **To future Joint, multi-purpose, distributed and interoperable simulations / simulators, fully integrating SOF**
- **Provide realistic training to every element of SOF**
  - **From the task force staff to the individual SOF operator from anywhere in the world**
- **Meet SOF unique needs**



# ***THE CHALLENGE***

- **Services did not meet needs (e.g. SOF Mission Planning and Rehearsal)**
- **Service components developed stove-piped systems**
  - **Different / incompatible software and simulators**
  - **Mission planners lacked information exchange**
  - **Special Warfare Automated Missions Planning System (SWAMPS) for Navy SEALs**
  - **SOF Planning and Rehearsal System for SOF Aviation**
  - **Sand table for Army SF / Rangers with JANUS for Course of Action Analysis**





# ***MEETING THE CHALLENGE***

- **HQ SOCOM established MPARE (Mission Planning, Analysis, Rehearsal, and Execution) Task Force**
  - Host Mission Planners on a common platform
  - Migrate to interoperability
- **SOF Information Enterprise (SIE)**
  - Engineering a solution
  - Leverage forces at divergent locations
  - Exercise C2 for mission planning, rehearsal, and execution



# ***AVIATION MISSION REHEARSAL***

- **Stove-piped systems**
- **Created SOF Aircrew Training Systems (SOFATS)**
  - **Pushed technology limits on fidelity and resolution**
  - **Improved interoperability**
  - **First DIS, now HLA**
- **Migrating to Topscene Visuals**



# ***TODAY***

- **Collaborative Mission Planning**
- **Joint Mission Rehearsal**
  - **Ground and air assets**
  - **Army and Air Force SOF**
  - **Linking AFSOC with Air Force (ACC)**
- **Common Joint Synthetic Battlespace**





# ***NEXT STEPS IN SOF M&S***

- **Integrate SEALs in STOW exercises**
- **Course of Action Analysis simulation imbedded in Mission Planning Systems**
- **Ground Forces Mission Rehearsal in Virtual Environment**
- **Mission Planning and Rehearsal Enroute for embarked teams**



***QUIET PROFESSIONALS***